React Assignment-1
(100 Marks)

Instructions:

- You have to create a simple To-Do List application.
- The application should allow users to add, delete, and mark tasks as completed.
- Use functional components, state, and props to manage the application.

Requirements

1. Create a React Application (5 marks)

- Set up a new React project using vite. (If your assignment is not created using Vite, it will not be considered your own work, and **you may receive a score of 0**.)
- Ensure the application runs without errors.

2. Components (10 marks)
Create the following components:
- ❖ App (2.5 marks)
- ❖ Header (2.5 marks)
- ❖ ToDoList (2.5 marks)
- ❖ ToDoItem (2.5 marks)

3. State and Props (20 marks)
- ❖ Use a state to manage the list of to-do items in the App component.
- ❖ Pass down the necessary state and functions as props to the ToDoList and
- ❖ ToDoItem components.
- ❖ Ensure each component correctly uses props to display and manage data.

4. Lists (10 marks)

- ❖ Render the list of to-do items dynamically in the ToDoList component using the map function. (5 marks)
- ❖ Ensure each to-do item is displayed with a unique key. (5 marks)

5. Event Handling (40 marks)

- ❖ Implement event handling for adding a new to-do item. (10 marks)
- ❖ Implement event handling for marking a to-do item as completed. (10 marks)
- ❖ Implement event handling for deleting a to-do item. (10 marks)
- ❖ Implement a feature to edit existing to-do items. (10 marks)

6. Styling and User Experience (5 marks)

- ❖ Style the application to make it user-friendly and visually appealing.
- ❖ Use CSS or a library like Bootstrap or Tailwind.

Submission (10 marks)

- Make sure to remove the `node_modules`.
- Submit the link to your GitHub repository containing the project. There should be at least 5 commits in the GitHub repository (Commits should be relevant) (5 marks)
- Ensure the README file includes instructions on how to run the application. (5 marks)